



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

HARVEST CONTINUED AMID WET CONDITIONS

The first reports of corn and soybean harvest have arrived, though wet conditions continue to delay fieldwork, according to the USDA, NASS, Minnesota Field Office. As of September 19, corn was 1 percent harvested, compared to 0 percent last year and 2 percent for the five-year average. Corn silage harvest advanced to 83 percent, compared to 36 percent last year and 64 percent average. Soybeans were 3 percent harvested, compared to 1 percent last year and 4 percent average. Other harvest progress included potatoes at 50 percent, sweet corn at 92 percent, dry beans at 52 percent, and sugarbeets at 13 percent harvested, all ahead of their respective averages. A few producers reported that wet conditions prevented the harvest of mature crops.

Temperatures for the week were unseasonably cool. The statewide average temperature was 3.5° below normal, with some areas reporting a low of 30°. Precipitation remains above normal for most reporting stations. Thunderstorms, along with some hail, lightning, and high winds, prevailed Thursday. Weekly precipitation was greatest in the Central region with 1.3 inches above normal. Statewide topsoil moisture supplies were rated 59 percent adequate and 40 percent surplus, the highest surplus rating so far this year. Statewide 3.2 days were rated suitable for fieldwork.

Ninety-eight percent of corn was in the dent stage, compared to 73 percent last year and 92 percent average. Corn in the mature stage was 49 percent, compared to 4 percent last year and 37 percent average. Corn was rated in 53 percent good and 36 percent excellent condition, nearly equal to last week.

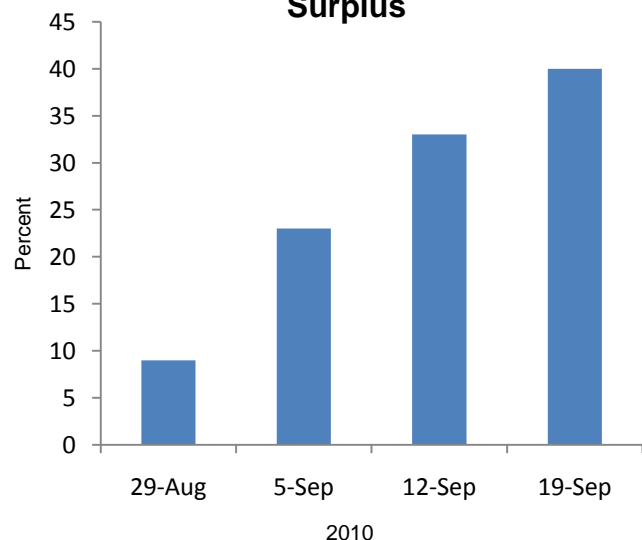
Soybeans were 95 percent turning yellow, compared to 82 percent last year and 91 percent average. Sixty-eight percent of soybeans were shedding their leaves, compared to 44 percent last year and 63 percent average. Soybeans were 25 percent mature, compared to 9 percent last year and 25 percent average. Soybeans were rated in 55 percent good and 32 percent excellent condition, nearly equal to last week.

Days Suitable for Fieldwork: 3.2				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	1	59	40

Crop Progress as of September 19, 2010					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dent	98	94	73	92
Corn	Mature	49	28	4	37
Corn	Harvested	1	0	0	2
Corn Silage	Harvested	83	64	36	64
Soybeans	Turning Yellow	95	79	82	91
Soybeans	Shedding Leaves	68	37	44	63
Soybeans	Mature	25	6	9	25
Soybeans	Harvested	3	NA	1	4
Potatoes	Harvested	50	34	35	47
Sweet Corn	Harvested	92	83	82	88
Dry Beans	Dropping Leaves	93	75	NA	NA
Dry Beans	Harvested	52	27	23	41
Sugarbeets	Harvested	13	9	7	7

Condition as of September 19, 2010					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	1	15	64	20
Sugarbeets	0	1	7	57	35
Corn	0	2	9	53	36
Potatoes	0	0	3	60	37
Soybeans	0	2	11	55	32
Sunflowers	1	3	20	61	15
Dry Beans	0	1	13	64	22

Topsoil Moisture Supply Rated Surplus



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 19, 2010:
Temperatures averaged from 5.8 degrees below normal in the North Central District to 1.8 degrees below normal in the Southeast District. Extremes: 30 degrees in Hibbing, International Falls; 85 degrees in Winnebago. Average precipitation ranged from 0.68 inch below normal in the Northeast District to 1.27 inches above normal in the Central District. Greatest weekly total of 5.05 inches was recorded in Willmar.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/13/2010 through 9/19/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	72	32	51.2	-5.5	.33	-.18	1.24	3.58	2252	50
Itasca	69	35	50.8	-2.1	.51	-.18	2.43	2.85	2014	222
Moorhead	69	34	52.2	-5.5	.17	-.34	1.67	4.50	2410	100
Warroad	68	32	48.7	-5.1	.30	-.32	1.42	5.70	1883	-21
<u>NC DIST 2</u>										
Grand Rapids	66	34	50.0	-4.6	.20	-.52	.77	3.13	2090	169
Intl. Falls	61	30	45.8	-7.1	.46	-.26	1.03	6.39	1834	44
<u>NE DIST 3</u>										
Duluth	64	35	50.2	-4.3	.25	-.74	-1.64	3.71	1905	211
Grand Marais	65	40	51.8	-3.2	.11	-.69	-.78	-1.95	1328	14
Hibbing	63	30	47.6	-5.7	.15	-.61	.55	1.82	1919	173
<u>WC DIST 4</u>										
Alexandria	70	40	53.5	-4.1	.81	.19	2.01	3.81	2327	114
Browns Valley	80	38	54.0	-5.5	.87	.45	2.41	4.08	2328	-123
Canby	81	37	56.0	-5.3	2.94	2.38	5.59	5.80	2555	-22
Dalton	75	38	55.0	-3.8	.64	.15	3.62	5.60	2407	118
Montevideo	80	39	56.6	-3.3	2.30	1.79	5.08	6.63	2390	-53
Morris	76	38	55.1	-3.7	1.01	.53	4.42	5.49	2347	-28
Wheaton	75	38	54.5	-4.5	.84	.35	4.67	2.72	2368	-49
<u>CENT DIST 5</u>										
Becker	78	43	56.6	-1.1	2.42	1.69	2.37	5.60	2538	295
Collegeville	75	41	56.5	-4.2	1.00	.26	2.42	3.94	2584	86
Hutchinson	79	41	57.0	-3.0	1.40	.88	1.05	6.59	2599	134
Melrose	73	40	55.0	-3.6	1.41	.77	1.69	6.50	2266	-84
Olivia	77	40	56.2	-2.7	2.55	1.91	3.07	5.39	2385	-10
St. Cloud	72	42	55.1	-2.1	1.60	.93	3.76	4.55	2425	242
Staples	70	37	52.2	-3.6	1.23	.63	.97	5.46	2231	254
Wadena	69	38	51.2	-4.1	.53	-.07	2.35	8.12	2052	73
Willmar	77	41	56.0	-3.3	5.05	4.41	7.43	13.42	2456	63
<u>EC DIST 6</u>										
Aitkin	71	35	52.6	-2.4	.54	-.14	.56	2.52	2028m	167m
Forest Lake	80	41	56.4	-2.6	1.84	1.08	.99	3.45	2542	199
Hinckley	71	36	52.0	-3.1	1.05	.29	.47	8.54	2033	84
MSP Airport	74	45	57.8	-3.0	.92	.31	-.41	1.22	2860	295
St. Paul - UofM	77	44	56.6	-4.4	.95	.21	-.26	2.81	2579	57
<u>SW DIST 7</u>										
Lamberton	82	39	57.3	-2.8	.92	.33	3.67	5.44	2670	176
Marshall	81	39	57.6	-3.2	1.82	1.30	7.72	11.93	2604	56
Pipestone	81	38	57.4	-1.7	1.61	.96	3.24	9.36	2438	39
Redwood Falls	77	40	57.4	-4.1	2.32	1.75	3.04	5.01	2665	17
Worthington	83	39	57.4	-1.6	1.69	1.10	2.17	3.86	2542	210
<u>SC DIST 8</u>										
Faribault	79	45	58.2	-1.4	1.64	.90	2.10	4.12	2565	186
Mankato	81	45	57.6	-2.6	.70	-.01	2.15	3.76	2579	91
Waseca	80	45	57.6	-2.5	1.58	.85	1.53	5.40	2577	148
Winnebago	85	44	59.4	-1.9	.78	.19	.76	4.29	2732	213
<u>SE DIST 9</u>										
Preston	83	44	59.1	-.4	1.12	.29	.65	4.18	2681	391
Red Wing	78	47	58.2	-2.2	1.12	.29	1.02	4.26	2693	219
Rochester	76	46	58.0	-.9	1.96	1.24	.63	1.85	2556	294
Rosemount	79	43	57.1	-2.6	1.44	.63	-.34	4.49	2557	199
Winona	79	46	59.7	-1.2	1.55	.73	.95	8.17	2625	115

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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